

# Gas Engineering Operative (ST0155) Level 3 Apprenticeship

## Overview

Installing and maintaining gas appliances in a domestic or non-domestic setting, advising customers on how appliances work and how to use energy more efficiently. Gas engineering involves the safe installation, commission, decommission and the ongoing service and repair of gas appliances in either a domestic or non-domestic setting.

Appliances can include, but are not limited to, a range of work categories such as central heating boilers, unvented hot water storage, ducted air heaters, cookers, space heaters, meters, alternative fuel, boosters, testing and purging for industrial pipework.

Roles in gas engineering will include explaining how installations and appliances work, providing energy efficiency advice and ensuring customer service excellence at all times. Gas engineering operates strictly within the requirements of health and safety legislation.

## Expected course duration

**26 months**

## College attendance

**Bedford – Tuesday, Wednesday, Thursday Day release**

## College day release intakes

**September, January**

## When can the apprentice start employment?

When offered job role and start date agreed with employer.

## When can the apprenticeship training start?

As soon as Apprentice starts employment. Arrangements will be made to start apprenticeship and college delivery

## Course content

- Health and safety in gas utilisation
- Scientific principles in gas utilisation
- Combustion and properties of gas
- Buildings, services and structures
- Gas safety principles
- Specific core installation and maintenance

- Tightness test, purge, commission and de-commission gas pipework up to 35 mm (1¼) diameter in small gas installations
- Install, commission and de-commission gas pipework up to 35 mm (1¼) diameter in domestic and small commercial premises
- Install domestic gas water heaters and wet central heating appliances
- Maintain gas water heating and wet central heating appliances
- Install domestic gas space heating appliances
- Maintain domestic gas space heating appliances
- The installation, commissioning and safety aspects of hot water systems for domestic use in accordance with UK building regulations
- Central heating systems
- Water Supply (Water Fittings) Regulations and Water Byelaws in the UK 1

## Entry requirements

### Grade requirements...

- Level 2 Functional Skills Maths and English
- GCSE grade 4 and above Maths and English

### Other requirements...

#### Essential:

- Level 1 Equivalent or Grade 3 and above Maths and English

## What training is required in the workplace?

- Learning a variety of skills to enable the apprentice to be able to develop and complete their Apprenticeship and EPA
- 20% off the job training
- College attendance
- Regular 10/12/week Meetings with Training Coordinator, Manager and Apprentice to discuss progress and set SMART targets throughout apprenticeships

## Further study and career options

### Course progression:

Upon successful completion of this apprenticeship you could go on to study towards a Level 4 Foundation Degree in Building Services

### Career progression:

Entry to the Competent Persons Scheme in gas, water and unvented hot water and work within the industry.

## Additional information

### Equipment:

- Safety boots
- High vis
- Tools (optional to bring into college)

## Campuses

This course is available at Bedford College (Kempston)

## Further details

**For more information, please visit here:**

<https://www.instituteforapprenticeships.org/apprenticeship-standards/gas-engineering-operative-v1-2>

## How to apply

Through the apprenticeship vacancy page of our website:

<https://bedfordcollegigroup.ac.uk/study/apprenticeships/apprenticeship-vacancies/>

and the national apprenticeship website:

<https://www.apprenticeships.gov.uk/>